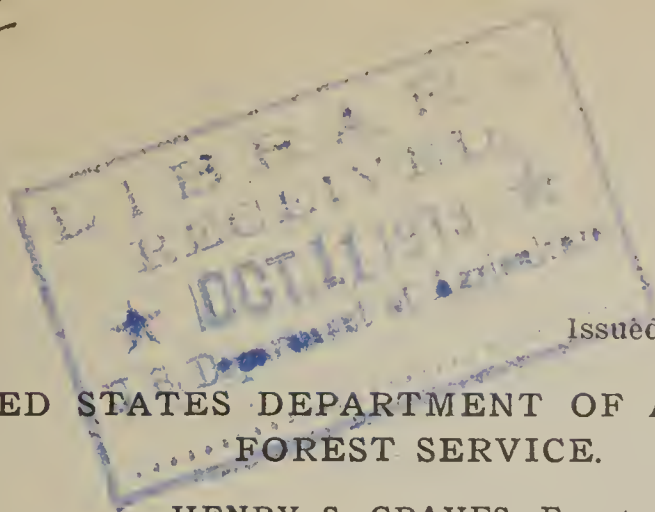


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Issued October 15, 1913.

**UNITED STATES DEPARTMENT OF AGRICULTURE,  
FOREST SERVICE.**

**HENRY S. GRAVES, Forester.**

# October Field Program, 1913.

This program of field work and assignments in the Forest Service is issued quarterly on the 15th day of July, October, January, and April, and is for the exclusive use of members of the Service and cooperating bureaus. The names of members whose assignments are not yet fixed are necessarily omitted. All orders and other instructions printed in the Field Program will apply to all districts.

It is requested that the members of the Forest Service cooperate in making this program complete and accurate.

Unless the address of a member is given in this program or is definitely known, he should be addressed in care of the Forest Service, Washington, D. C.

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Inspection.—L. S. Murphy.

Study of forest conditions in North Carolina in cooperation with State Geological and Economic Survey.—J. S. Holmes, Chapel Hill.

Compilation of State forest laws.—Miss J. S. Peyton.

FOREST INVESTIGATIONS.—RAPHAEL ZON, chief; S. T. DANA, assistant chief.

Studies.—E. H. Frothingham, W. D. Sterrett, C. R. Tillotson, G. N. Lamb, W. R. Mattoon, G. E. Clement, C. H. Shinn.

WOOD STRUCTURE STUDIES.—C. D. MELL, in charge; W. D. Brush, Arthur Koehler.

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Cloquet Experiment Station in cooperation with the University of Minnesota.—W. H. Kenety, Cloquet, Minn.

## GRAZING.

A. F. POTTER, associate forester, in charge; L. F. KNEIPP, assistant forester; WILL C. BARNES, inspector of grazing.

GRAZING STUDIES (in cooperation with F. V. Coville, botanist, Bureau of Plant Industry).—James T. Jardine, inspector of grazing, in charge, Washington, D. C.

Forage investigations.—William A. Dayton, plant ecologist, Washington, D. C.

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## LANDS.

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WATER POWER.—O. C. MERRILL, chief engineer; T. W. NORCROSS, assistant chief engineer.

CLAIMS AND OCCUPANCY.—CHARLES H. SQUIRE, in charge.

LAND CLASSIFICATION.—FRANKLIN W. REED, in charge; ROBERT V. R. REYNOLDS, forest examiner.

AGRICULTURAL CLASSIFICATION.—FRANKLIN W. REED, in charge.

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BOUNDARIES.—H. E. WOOLLEY, in charge.

## PRODUCTS.

W. B. GREELEY, assistant forester, in charge.

FOREST PRODUCTS LABORATORY (in cooperation with the University of Wisconsin, Madison, Wis.).—HOWARD F. WEISS, director.

H. S. BETTS and CARLILE P. WINSLOW, engineers in forest products.

Design of laboratory equipment.—ROLF THELEN.

Review of results.—FRANK J. HALLAUER.

CHEMISTRY AND DISTILLATION.—ERNEST BATEMAN, acting in charge; A. W. Schorger, F. W. Kressman, R. C. Palmer, Geo. E. Hunt, Homer Cloukey, Lester E. Cover.

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GROUND-WOOD-PULP LABORATORY, Wausau, Wis.—G. C. MCNAUGHTON, acting in charge; Sidney E. Lunak.

PATHOLOGY (in cooperation with the Bureau of Plant Industry).—C. J. HUMPHREY, in charge; Ruth E. Bates.

INDUSTRIAL INVESTIGATIONS.—O. T. SWAN, in charge, Washington, D. C. Wood Consumption Studies, R. E. Simmons, Clark W. Gould, Washington, D. C.; Hu Maxwell, Chicago, Ill. Production of Lumber and Forest Products, A. H. Pierson, Washington, D. C.; A. B. Strough, Albany, N. Y. Chestnut Blight Utilization Studies, Jesse C. Nellis, Washington, D. C. Veneer Investigations, S. L. Wolfe, Washington, D. C. Cooperage Investigations, O. T. Swan, Washington, D. C.

## ACQUISITION OF LANDS UNDER THE WEEKS LAW.

WM. L. HALL, assistant forester, in charge, Washington, D. C.

LUMBERMAN'S EXAMINATIONS.—C. D. Cushing, E. D. Fletcher, and George E. Marshall, Washington, D. C.

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assistant; Georgia Area, E. V. Clark, forest examiner, in charge, Blue Ridge, Ga.; Cherokee Area, H. L. Johnson, forest examiner, in charge, Etowah, Tenn., H. L. Russell and S. H. Thompson, forest examiners, and H. M. Sears, forest assistant.

**SURVEY OF LANDS.**—RUDOLPH DIEFFENBACH, forest examiner, in charge; Robert G. Merritt, forest examiner, Ernest P. Whitten and J. L. Pritchard, examiners of surveys, Washington, D. C.; White Mountain Area, Arthur E. Hoxie, examiner of surveys, Gorham, N. H.; Potomac Area, A. M. Ockerblad, Alfred P. Hamilton, examiners of surveys, Woodstock, Va.; Massanutten Area, E. F. Benedum and Edward R. Conrad, examiners of surveys, Woodstock, Va.; Mt. Mitchell Area, Dave M. Gibson, examiner of surveys, Marion, N. C.; Nantahala Area, James Denman, examiner of surveys, C. Z. Denton, agent, Andrews, N. C.; White Top Area, Thomas A. Cox, jr., examiner of surveys, Abingdon, Va.; Unaka Area, Robert E. Witt, examiner of surveys, Etowah, Tenn.; Savannah Area, Frederick A. Gardner, Leon C. Marshall, Samuel L. Chiles, William N. Sloan and Harold G. Wood, examiners of surveys, Clayton, Ga.; Monongahela Area, Roy L. McGuire, examiner of surveys, Elkins, W. Va.; Shenandoah Area, E. L. Merrill, C. F. Muzzey, examiners of surveys, Harrisonburg, Va.

**ADMINISTRATION OF ACQUIRED LANDS.**—K. W. WOODWARD, forest inspector, in charge, Washington, D. C.

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## DISTRICT 1.

Montana, northeastern Washington, northern Idaho, northwestern South Dakota, and southwestern North Dakota. Office, Federal Building, Missoula, Mont.

F. A. SILCOX, district forester; E. W. KRAMER, district engineer.

**LAW.**—Office of the Solicitor (Forest Service branch). W. C. HENDERSON, assistant to the solicitor, in charge; HAROLD H. CLARKE, assistant to the solicitor.

**ACCOUNTS.**—JOHN A. URBANOWICZ, district fiscal agent.

**OPERATION.**—J. F. PRESTON, assistant district forester; R. B. ADAMS, superintendent of telephone construction.

**MAINTENANCE.**—GARDNER I. PORTER.

**SILVICULTURE.**—D. T. MASON, assistant district forester; DORR SKEELS and H. F. ELLARD, logging engineers.

**TIMBER SALES.**—DONALD BRUCE.

**PLANTING AND FOREST INVESTIGATIONS.**—H. H. FARQUHAR.

S. S. J. MALVEN, insect control.

JAMES R. WEIR, consulting pathologist, Missoula, Mont.

GRAZING.—C. H. ADAMS, assistant district forester.

STUDIES.—CHAS. E. FLEMING, grazing examiner.

LANDS.—R. H. RUTLEDGE, assistant district forester; JOHN D. JONES, assistant.

PRODUCTS.—P. R. HICKS.

### EXPERIMENT STATION.

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### NATIONAL FORESTS.

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Coeur d'Alene.—MEYER H. WOLFF, acting forest supervisor, Coeur d'Alene (WU-Am); Fred R. Mason, deputy forest supervisor; W. W. Morris and F. I. Rockwell, forest examiners.

Kaniksu.—See Washington.

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Pend Oreille.—J. A. FITZWATER, forest supervisor, Sandpoint (WU-Am, N, W); R. Trevor Ferguson, deputy forest supervisor.

Selway.—FRANK A. FENN, forest supervisor, Kooskia (WU-N); Charles F. Howell, deputy forest supervisor.

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#### MONTANA.

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Beartooth.—GLEN A. SMITH, forest supervisor, Billings (WU-Am, N); Arthur H. Abbott, deputy forest supervisor.

Beaverhead.—C. K. WYMAN, forest supervisor, Dillon (WU-Am); John E. David, deputy forest supervisor.

Bitterroot.—W. W. WHITE, forest supervisor, Missoula (WU-Am, N); Herbert F. Lindsay, forest assistant.

Blackfeet.—R. P. McLAUGHLIN, forest supervisor, Kalispell (WU-Am, GN); Charles E. Baker, forest assistant.

Cabinet.—CLAUDE W. GRIFFIN, forest supervisor, Thompson Falls (WU-Am, N); Justin K. Dwinelle, forest examiner.

Custer.—GEORGE E. MARTIN, forest supervisor, Miles City (WU-Am, N).



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- Flathead.**—PAGE S. BUNKER, forest supervisor, Kalispell (WU-Am, GN) ; John H. Clack and Alfred B. Hastings, deputy forest supervisors.
- Gallatin.**—D. T. CONKLING, forest supervisor, Bozeman (WU-Am, N) ; Samuel R. Hays, deputy forest supervisor.
- Helena.**—J. B. SEELY, forest supervisor, Helena (WU-Am, N) ; Waldo D. Barlow, forest assistant.
- Jefferson.**—SCOTT LEAVITT, forest supervisor, Great Falls (WU-Am, N) ; Wellman Holbrook, deputy forest supervisor ; Adrian C. Adams, forest assistant.
- Kootenai.**—WILLIAM A. RAYMOND, acting forest supervisor, Libby (WU-Am, GN) ; William C. Latane, deputy forest supervisor ; Webster H. Ransom and John C. Ketrledge, forest examiners.
- Lewis and Clark.**—THOMAS C. SPAULDING, forest supervisor, Chouteau (WU via Collins-Am, GN via Collins).
- Lolo.**—ELERS KOCH, forest supervisor, Missoula (WU, P-Am, N) ; John E. Keach, forest examiner ; William W. Bennett, forest assistant.
- Madison.**—CLIFTON W. HUDSON, forest supervisor, Sheridan (WU-Am, N) ; Ralph E. Bodley, forest assistant.
- Missoula.**—RUTLEDGE PARKER, forest supervisor, Missoula (WU, P-Am, N) ; Fay G. Clark, forest assistant.
- Sioux.**—See South Dakota.

#### NORTH DAKOTA.

- Dakota.**—C. A. BALLINGER, forest supervisor, Camp Crook, S. Dak. (WU via Bellefourche-Am via Bellefourche).

#### SOUTH DAKOTA.

- Sioux.**—C. A. BALLINGER, forest supervisor, Camp Crook (WU via Bellefourche-Am via Bellefourche).

#### WASHINGTON.

- Kaniksu.**—M. N. STICKNEY, forest supervisor, Coolin, Idaho (WU via Priest River-Am, GN, Priest River) ; J. F. Forsythe, deputy forest supervisor.

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## DISTRICT 2.

Colorado, Wyoming, South Dakota, Nebraska, western Kansas, northern Michigan, and northern Minnesota. Office, Majestic Building, Denver, Colo.

SMITH RILEY, district forester; E. LEONARD LUNDGREN, district engineer.

LAW.—Office of the Solicitor (Forest Service branch). GEORGE E. TROWBRIDGE, assistant to the solicitor, in charge; J. F. LAWSON, assistant to the solicitor.

ACCOUNTS.—H. I. LOVING, district fiscal agent.

OPERATION.—FRED W. MORRELL, assistant district forester.

MAINTENANCE.—F. H. CARROLL.

SILVICULTURE.—C. M. GRANGER, assistant district forester; J. H. POTTS, forest examiner.

PLANTING.—SEWARD D. SMITH.

FOREST INVESTIGATIONS.—C. G. BATES.

CARL HARTLEY, consulting pathologist, Washington, D. C.

GRAZING.—J. W. NELSON, assistant district forester.

STUDIES.—LYNN H. DOUGLAS, grazing examiner.

LANDS.—C. J. STAHL, assistant district forester; THOS. M. MOORMAN, assistant; THEODORE SHOEMAKER, Jr., land classification.

### EXPERIMENT STATIONS.

Fremont, Pike National Forest.—F. B. NOTESTEIN, Manitou, Colo.

Wagon Wheel Gap, Rio Grande National Forest.—PETER KEPLINGER, Wagon Wheel Gap, Colo., and H. C. Jones, of the Weather Bureau.

### NATIONAL FORESTS.

#### COLORADO.

Arapaho.—ARTHUR M. COOK, forest supervisor, Fraser (WU-Ad); Alva A. Simpson, deputy forest supervisor; Arthur T. Upson, forest examiner; Bruno R. Kudlich, Roscoe B. Weaver, forest assistants.

Battlement.—JOHN W. LOWELL, Jr., forest supervisor, Collbran (WU-WF, G); George Z. Mason, forest assistant.

Cochetopa.—EUGENE WILLIAMS, forest supervisor, Saguache (WU-G); Charles P. Bliss, forest examiner.

Colorado.—H. N. WHEELER, forest supervisor, Fort Collins (WU-WF); HUBER C. HILTON, forest assistant.

Durango.—ERNEST W. SHAW, forest supervisor, Durango (WU-G); R. S. Wheeler, forest examiner.

Gunnison.—WILLIAM R. KREUTZER, forest supervisor, Gunnison (WU-WF, G); Harold L. Borden, forest assistant.

Hayden.—See Wyoming.

Holy Cross.—HARRY H. FRENCH, forest supervisor, Glenwood Springs (WU-WF, G); George R. Morrison, forest assistant.

La Sal.—See Utah, District 4.

Leadville.—R. E. CLARK, deputy forest supervisor, Leadville (WU, P-WF, G); J. E. Martin, forest examiner.

**Montezuma.**—RESS PHILLIPS, forest supervisor, Mancos (WU-G) ; Gordon Parker, forest assistant.

**Pike.**— ———, forest supervisor, Denver (WU, P-Ad, Am, G, US, WF) ; W. I. Hutchinson, forest examiner ; V. A. Beede, forest assistant ; Monument Nursery, W. H. Schrader, forest planting assistant, Monument ; Richard T. Guthrie, forest assistant.

**Rio Grande.**—A. L. SWEITZER, forest supervisor, Monte Vista (WU-G) ; Walter F. Bowers, deputy forest supervisor ; Jay Higgins, forest examiner.

**Routt.**—J. H. RATLIFF, forest supervisor, Steamboat Springs (WU-Ad) ; Ray Peck, deputy forest supervisor ; P. J. Paxton, forest examiner.

**San Isabel.**—J. N. LANGWORTHY, forest supervisor, Westcliffe (WU-G) ; Albin G. Hamel, forest examiner.

**San Juan.**—G. P. BARD, forest supervisor, Pagosa Springs (WU-G) ; A. F. C. Hoffman, forest assistant.

**Sopris.**—JOHN McLAREN, forest supervisor, Aspen (WU-WF, G) ; W. G. Baxter, forest assistant.

**Uncompahgre.**—HOWARD S. BUSHNELL, forest supervisor, Delta (WU-G) ; J. H. Ramskill, forest examiner.

**White River.**—JAMES A. BLAIR, forest supervisor, Meeker (WU-WF, G) ; Crosby A. Hoar, forest examiner.

#### KANSAS.

**Kansas.**—B. R. H. D'ALLEMAND, forest supervisor, Garden City (WU, P-WF) ; Garden City Nursery.

#### MICHIGAN.

**Marquette.** }  
**Michigan.** } —W. B. PIPER, forest supervisor, East Tawas (WU-Am).

#### MINNESOTA.

**Minnesota.**—G. E. MARSHALL, forest supervisor, Cass Lake (WU-Am, GN) ; Howard H. Richmond, forest assistant.

**Superior.**—LESLIE BROWNELL, acting forest supervisor, Ely (WU-GN).

#### NEBRASKA.

**Nebraska.**—H. EARL FRENCH, forest supervisor, Halsey (WU-Ad) ; Fred R. Johnson, forest assistant ; Halsey Nursery. Theodore Krueger, forest assistant.

#### SOUTH DAKOTA.

**Black Hills.**—PAUL D. KELLETER, forest supervisor, Deadwood (WU-Ad, Am) ; William Wiehe, deputy forest supervisor ; Percy T. Smith, forest examiner ; M. J. Sweeney, forest assistant.

**Harney.**—R. P. IMES, forest supervisor, Custer (WU-Ad) ; Richard A. Phillips, forest assistant.

## WYOMING.

**Bighorn.**—E. N. KAVANAGH, forest supervisor, Sheridan (WU-Ad); Andrew G. Stockwell, deputy forest supervisor; Earl S. Peirce, forest examiner.

**Bonneville.**—L. E. COOPER, forest supervisor, Dubois (WU-Am); Clarence E. Taylor, forest assistant.

**Bridger.**—H. C. HALL, forest supervisor, Pinedale (WU-Am).

**Hayden.**—JAMES BLACKHALL, forest supervisor, Encampment (WU, P-Am); Howard R. Flint, forest assistant.

**Medicine Bow.**—GEO. A. DUTHIE, forest supervisor, Laramie (WU, P-Am); D. S. Jeffers, deputy forest supervisor.

**Shoshone.**—R. W. ALLEN, forest supervisor, Cody (WU-Ad); Fred B. Agee, deputy forest supervisor.

**Sundance.**—LOUIS KNOWLES, forest supervisor, Sundance (WU-Ad, Am).

**Washakie.**—C. G. POOLE, forest supervisor, Lander (WU-Am).

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### DISTRICT 3.

Arizona, Arkansas, Florida, New Mexico, and Oklahoma. Office, Luna-Otero Building, Albuquerque, N. Mex.

A. C. RINGLAND, district forester; E. LEONARD LUNDGREN, district engineer.

**LAW.**—Office of the Solicitor (Forest Service branch). D. F. McGOWAN, assistant to the solicitor, in charge; J. O. SETH, assistant to the solicitor.

**ACCOUNTS.**—ALBERT MORRIS, district fiscal agent.

**OPERATION.**—A. O. WAHA, assistant district forester; A. S. PECK, assistant district forester; J. F. MULLEN, forest examiner, in charge improvement and protection.

**MAINTENANCE.**—H. B. HAMMOND.

**SILVICULTURE.**—T. S. WOOLSEY, Jr., assistant district forester; JOSEPH C. KIRCHER, forest examiner; ATHOL A. WYNNE, lumberman, and QUINCY RANGLES, forest examiner, timber sale inspection and check-scaling; P. P. PITCHLYNN, in charge reconnaissance.

**GRAZING.**—JOHN KERR, assistant district forester.

**STUDIES.**—R. R. HILL, grazing examiner.

**LANDS.**—FRANK C. W. POOLER, assistant district forester; M. M. CHENEY, forest examiner; FREDERIC WINN, in charge of land classification.

**PRODUCTS.**—JOHN T. HARRIS.

### EXPERIMENT STATION.

**Fort Valley, Coconino National Forest.**—G. A. PEARSON, Flagstaff, Ariz.; Clarence F. Korstian, forest assistant.



## NATIONAL FORESTS.

## ARIZONA.

**Apache.**—JOHN D. GUTHRIE, forest supervisor, Springerville (WU, P-WF) ; Clifford W. McKibbin, forest examiner ; W. L. Schofield, forest assistant.

**Chiricahua.**—A. H. ZACHAU, forest supervisor, Portal, via Rodeo, N. Mex. (WU-WF).

**Coconino.**—WILLARD M. DRAKE, forest supervisor, Flagstaff (WU, P-WF) ; Thomas E. McCullough, Gordon T. Backus, and Herman Krauch, forest examiners ; Murrell W. Talbot, forest assistant.

**Coronado.**—ROBERT J. SELKIRK, forest supervisor, Tucson (WU-WF).

**Crook.**—T. T. SWIFT, forest supervisor, Safford (WU-WF) ; Marinus Westveld, forest assistant.

**Prescott.**—C. H. HINDERER, forest supervisor, Prescott (WU-WF) ; J. C. McNelty, deputy forest supervisor ; Edward P. Ancona, forest assistant.

**Sitgreaves.**—CHARLES H. JENNINGS, acting forest supervisor, Snowflake (WU, P-WF).

**Tonto.**—C. C. HALL, forest supervisor, Roosevelt (WU-WF) ; Reginald B. Forbes, forest assistant.

**Tusayan.**—HAROLD GREENE, forest supervisor, Williams (WU, P-WF) ; Robert L. Deering, deputy forest supervisor ; George W. Kimball, forest assistant.

**Zuni.**—See New Mexico.

## ARKANSAS.

**Arkansas.**—S. A. CHAPPELL, forest supervisor, Hot Springs (WU, P-WF, P) ; C. J. Heller, forest examiner ; Raymond E. Hopson, forest assistant ; O. F. Swenson, forest examiner, in charge reconnaissance.

**Ozark.**—FRANCIS KIEFER, forest supervisor, Harrison (WU-WF) ; W. F. Hill, deputy forest supervisor ; L. L. Janes and Robert S. Wallace, forest examiners.

## FLORIDA.

**Florida.**—I. F. ELDREDGE, forest supervisor, Camp Pinchot, Garniers (WU, P) ; John W. Spencer, forest examiner.

## NEW MEXICO.

**Alamo.**—R. F. BALTHIS, forest supervisor, Alamogordo (WU-WF).

**Carson.**—ALDO LEOPOLD, forest supervisor, Tres Piedras (WU-G) ; Raymond E. Marsh, deputy forest supervisor.

**Chiricahua.**—See Arizona.

- Datil.**—W. H. GODDARD, forest supervisor, Magdalena (WU, P-WF); H. Basil Wales, forest examiner; Ward Shepard, forest assistant.
- Gila.**—DON P. JOHNSTON, forest supervisor, Silver City (WU, P-WF); Ausburn H. Douglas, deputy forest supervisor; N. Curtis Case, forest examiner; Fort Bayard Nursery, H. C. Turner, forest planting assistant; Ernest Wohlenberg, forest assistant.
- Jemez.**—FRANK E. ANDREWS, forest supervisor, Santa Fe (WU, P-G); J. A. Adams, forest ranger, in charge reconnaissance.
- Lincoln.**—J. A. KINNEY, forest supervisor, Capitan (WU-WF).
- Manzano.**—HUGH G. CALKINS, forest supervisor, Albuquerque (WU, P-WF).
- Pecos.**—THOMAS R. STEWART, forest supervisor, Santa Fe (WU, P-WF); Ira T. Yarnall, forest assistant; Las Gallinas Nursery, H. D. Burrall, forest examiner; Thomas P. Reid, forest assistant.
- Zuni.**—HUGH G. CALKINS, forest supervisor, Albuquerque (WU, P-WF).

#### OKLAHOMA.

- Wichita.**—FRANK RUSH, game warden, in charge, Cache (WU-WF).

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### DISTRICT 4.

Utah, southern Idaho, western Wyoming, eastern and central Nevada, and northwestern Arizona. Forest Service Building, Ogden, Utah.

E. A. SHERMAN, district forester; J. P. MARTIN, district engineer.

**LAW.**—Office of the Solicitor (Forest Service branch). R. F. FEAGANS, assistant to the solicitor, in charge.

**ACCOUNTS.**—Q. R. CRAFT, district fiscal agent.

**OPERATION.**—A. C. MCCAIN, assistant district forester.

**MAINTENANCE.**—FELIX T. MOORE.

**SILVICULTURE.**—O. M. BUTLER, assistant district forester; D. F. SEERY, logging engineer; D. M. LANG, scaler.

**PLANTING.**—J. M. FETHEROLF.

**RECONNAISSANCE:** Weiser National Forest—A. E. OMAN, in charge; E. C. Sanford, W. F. Tribe, Levon Kooyumjian, Weiser, Idaho. Wyoming National Forest—R. A. STRETCH, in charge; William Mace, F. I. Watts, Afton, Wyo.

**GRAZING.**—HOMER E. FENN, assistant district forester.

**STUDIES.**—ALFRED E. ALDOUS, grazing examiner.

**LANDS.**—T. C. HOYT, assistant district forester; R. E. GERY, assistant; B. L. Wheeler, mineral examiner.

**SUPPLY DEPOT.**—A. M. SMITH, property clerk.

**PROPERTY AUDIT.**—J. G. FALCK, property auditor.

## EXPERIMENT STATION.

Utah, Manti National Forest.—ARTHUR W. SAMPSON, in charge; E. R. Hodson, Ephraim, Utah.

## NATIONAL FORESTS.

## ARIZONA.

Dixie.—See Utah.

Kaibab.—JAMES L. PELTON, forest supervisor, Kanab, Utah (WU-WF).

## IDAHO.

Boise.—E. GRANDJEAN, forest supervisor, Boise (WU-Am); M. S. Benedict, deputy forest supervisor; Dana Parkinson, forest examiner.

Cache.—See Utah.

Caribou.—G. G. BENTZ, forest supervisor, Montpelier (WU-Am); L. W. Hastings, deputy forest supervisor; J. H. Hull, forest assistant.

Challis.—DAVID LAING, forest supervisor, Challis (WU-Am).

Idaho.—HERBERT GRAFF, forest supervisor, McCall (WU-P).

Lemhi.—C. I. HUDDLE, forest supervisor, Mackay (WU-Am).

Minidoka.—WILLIAM MCCOY, forest supervisor, Oakley (WU-Am).

Palisade.—FRANK J. RYDER, forest supervisor, St. Anthony (WU-Am); C. F. Evans, forest assistant.

Payette.—GUY B. MAINS, forest supervisor, Emmett (WU-Am); Lawrence J. Phelan, deputy forest supervisor; W. N. Sparhawk, forest examiner; W. A. Smith, forest assistant.

Pocatello.—J. F. BRUINS, forest supervisor, Pocatello (WU-Am); Pocatello Nursery, Arthur P. Say, forest ranger.

Salmon.—JOHN A. PEARSON, forest supervisor, Salmon (WU-Am); S. S. Stewart, deputy forest supervisor; Herman Work, forest examiner.

Sawtooth.—C. N. WOODS, forest supervisor, Hailey (WU-Am); Herbert G. McPheters and Samuel B. Locke, deputy forest supervisors.

Targhee.—CHESTER B. MORSE, forest supervisor, St. Anthony (WU-Am); Charles A. Beam, deputy forest supervisor; J. W. Stokes, forest examiner.

Weiser.—J. B. LAFFERTY, forest supervisor, Weiser (WU-Am); W. M. Campbell, deputy forest supervisor; A. E. Oman, forest examiner.

## NEVADA.

Humboldt.—S. B. ARTHUR, forest supervisor, Gold Creek (WU-WF).

Moapa.—THOMAS J. COLLINS, forest supervisor, Austin (WU-Am).

Nevada.—GEO. C. THOMPSON, forest supervisor, Ely (WU-WF).

Ruby.—JAMES M. RYAN, forest supervisor, Lamoille (WU-WF).

Santa Rosa.—W. W. BLAKESLEE, forest supervisor, Paradise.

Toiyabe.—THOMAS J. COLLINS, forest supervisor, Austin (WU, P-WF); R. D. Garver, forest assistant.

## UTAH.

**Ashley.**—W. M. ANDERSON, forest supervisor, Vernal (WU-WF) ; Lester E. Hitchcock, forest examiner.

**Cache.**—CLINTON G. SMITH, forest supervisor, Logan (WU-Am) ; J. W. Humphrey, deputy forest supervisor ; E. C. Shepard, forest examiner.

**Dixie.**—JOHN RAPHAEL, forest supervisor, St. George (WU-WF).

**Fillmore.**—ERNEST WINKLER, forest supervisor, Richfield (WU-WF).

**Fishlake.**—CARL B. ARENTSON, forest supervisor, Salina (WU-WF) ; D. A. Arrivee, forest assistant.

**La Sal.**—HENRY A. BERGH, forest supervisor, Moab (WU-WF).

**Manti.**—A. W. JENSEN, forest supervisor, Ephraim (WU-WF) ; B. E. Mattsson, deputy forest supervisor ; J. C. Roak and E. S. Baker, forest assistants.

**Minidoka.**—See Idaho.

**Nebo.**—DAN S. PACK, forest supervisor, Nephi (WU-WF).

**Pocatello.**—See Idaho.

**Powell.**—GEO. H. BARNEY, forest supervisor, Escalante (WU-WF).

**Sevier.**—O. C. SNOW, forest supervisor, Panguitch (WU-WF) ; A. G. Hauge, forest assistant.

**Uinta.**—W. I. PACK, forest supervisor, Provo (WU-WF) ; J. Carl Allred, deputy forest supervisor ; Nils B. Eckbo, forest examiner ; Uinta Nursery, Asa L. Brower, forest examiner.

**Wasatch.**—E. H. CLARKE, forest supervisor, Salt Lake City (WU, P-Am, WF) ; S. E. Bower, forest assistant ; Wasatch Nursery, N. J. Fetherolf, forest planting assistant.

## WYOMING.

**Ashley.**—See Utah.

**Caribou.**—See Idaho.

**Palisade.**—See Idaho.

**Targhee.**—See Idaho.

**Teton.**—R. E. MILLER, forest supervisor, Jackson (WU-Am) ; H. B. Maris, forest examiner.

**Wyoming.**—JAMES E. JEWELL, forest supervisor, Afton (WU-Am) ; John E. Ingram, deputy forest supervisor ; R. A. Stretch, forest examiner.

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## DISTRICT 5.

California and southwestern Nevada. Office, First National Bank Building, San Francisco, Cal.

COERT DUBOIS, district forester ; F. H. FOWLER, district engineer ; J. L. MATHIAS, assistant to district engineer ; CLARENCE WILEY, inspector of records.

LAW.—Office of the Solicitor (Forest Service branch). H. P. DECHANT, assistant to the solicitor, in charge ; MAURY CURTIS, assistant to the solicitor.



**ACCOUNTS.**—A. W. SMITH, district fiscal agent.

**OPERATION.**—ROY HEADLEY, assistant district forester; WM. C. HODGE, Jr., inspector of fire-protection plans; FREDERICK H. HAFLEY, telephone expert.

**MAINTENANCE.**—T. M. KENNEDY.

**SILVICULTURE.**—T. D. WOODEBURY, assistant district forester; SWIFT BERRY, forest examiner; J. C. ELLIOTT, lumberman; H. N. ORMSBEE, logging engineer.

LOUIS MARGOLIN, forest examiner, reconnaissance.

**FOREST INVESTIGATIONS.**—J. A. MITCHELL and L. T. LARSEN, forest examiners.

RALPH HOPPING, forest examiner, insect control.

E. P. MEINECKE, consulting pathologist; J. S. BOYCE, scientific assistant, San Francisco, Cal.

**GRAZING.**—JOHN H. HATTON, assistant district forester.

**LANDS.**—L. A. BARRETT, assistant district forester; CHAS. S. BROTHERS, assistant; land classification—S. N. STONER, forest examiner, in charge of district; J. O. MORROW and P. L. DAY, forest examiners in charge of field parties.

**PRODUCTS.**—C. STOWELL SMITH, assistant district forester, in charge; C. A. KUPFER, forest examiner.

#### EXPERIMENT STATIONS.

Feather River, Plumas National Forest.————, Quincy, Cal.

Converse, Angeles National Forest.—EDWARD N. MUNNS, forest assistant, in charge, San Bernardino, Cal.

#### FOREST INSECT FIELD STATION.

(Bureau of Entomology, Branch of Forest Insect Investigations.)

Station 5, Placerville, Cal.—H. E. BURKE, entomological assistant, in charge.

#### NATIONAL FORESTS.

##### CALIFORNIA.

Angeles.—R. H. CHARLTON, forest supervisor, Los Angeles (WU, P-WF).

California.—D. P. GODWIN, forest supervisor, Willows (P-WF); B. H. Mace, deputy forest supervisor; S. W. Strothman and O. M. Evans, forest examiners.

Cleveland.—DAVID G. KINNEY, forest supervisor, San Diego (WU, P-WF).

Eldorado.—EVAN W. KELLEY, forest supervisor, Placerville (WU-WF); George W. Lyons, forest examiner.

Inyo.—A. H. HOGUE, forest supervisor, Bishop (WU-WF).

- Kern.**—W. J. RUSHING, forest supervisor Bakersfield (WU-WF) ; F. P. Cunningham, deputy forest supervisor.
- Klamath.**—W. B. RIDER, forest supervisor, Yreka (WU-WF) ; J. R. Hall, deputy forest supervisor ; Douglas K. Noyes and W. H. Gallaher, forest examiners.
- Lassen.**—SHIRLEY W. ALLEN, acting forest supervisor, Red Bluff (P-WF) ; R. H. Boerker, forest examiner, and John T. Noddin, forest ranger, reconnaissance.
- Modoc.**—C. E. RACHFORD, forest supervisor, Alturas (P-WF) ; Vernon L. Bonner, deputy forest supervisor ; Belknap C. Goldsmith, forest examiner.
- Mono.**—See Nevada.
- Monterey.**—N. H. SLOANE, acting forest supervisor, Arbolado (WU, Monterey-WF, Monterey).
- Plumas.**—D. N. ROGERS, forest supervisor, Quincy (WU, Keddie, Cal.-G) ; W. G. Durbin, deputy forest supervisor ; George R. Orr, forest examiner.
- Santa Barbara.**—W. M. SLOSSON, forest supervisor, Santa Barbara (P-WF) ; H. G. Merrill, deputy forest supervisor ; W. M. Moore, forest examiner.
- Sequoia.**—ALLAN B. PATTERSON, forest supervisor, Hot Springs, Tulare County (WU via Ducor-WF) ; S. W. Wynne, deputy forest supervisor ; Patrick Kennedy, lumberman, timber sales.
- Shasta.**—R. F. HAMMATT, forest supervisor, Sisson (P-WF) ; M. R. Tillotson, deputy forest supervisor ; Stewart B. Show and Edward I. Kotok, forest examiners ; Pilgrim Creek Nursery, Fred W. Graham, assistant forest ranger, in charge, McCloud.
- Sierra.**—P. G. REDINGTON, forest supervisor, Northfork (WU via Friant-WF, Friant) ; M. A. Benedict, deputy forest supervisor ; Ernest G. Dudley and Cary Hill, forest examiners ; Dwight C. Birch, forest assistant.
- Stanislaus.**—R. W. AYRES, forest supervisor, Sonora (WU-WF) ; T. C. West, deputy forest supervisor ; J. V. Wulff, forest examiner ; C. H. Ensign, scaler, timber sales.
- Tahoe.**—R. L. P. BIGELOW, forest supervisor, Nevada City (WU-WF) ; M. B. Pratt, deputy forest supervisor ; K. Mills and Reese W. Taylor, forest examiners.
- Trinity.**—W. A. HUESTIS, forest supervisor, Weaverville (WU-WF) ; J. D. Coffman, deputy forest supervisor ; Ernst V. Jotter, forest examiner.

## NEVADA.

**Eldorado.**—See California.

**Inyo.**—See California.

**Mono.**—WM. M. MAULE, forest supervisor, Gardnerville (WU-WF).

**Tahoe.**—See California.

## DISTRICT 6.

Washington, Oregon, and Alaska. Office, Beck Building, Portland, Oreg.

GEO. H. CECIL, district forester; PHILIP H. DATER, district engineer.

LAW.—Office of the Solicitor (Forest Service branch). W. F. STALEY, assistant to the solicitor, in charge; EARL C. ARNOLD, assistant to the solicitor.

ACCOUNTS.—A. H. COUSINS, district fiscal agent.

OPERATION.—C. H. FLORY, assistant district forester.

MAINTENANCE.—SHIRLEY BUCK.

SILVICULTURE.—F. E. AMES, assistant district forester; C. S. JUDD, assistant district forester; W. H. GIBBONS, investigation of logging costs; W. T. ANDREWS and C. H. WOODCOCK, logging engineers; EDWIN C. ERICKSON and L. A. NELSON, scalers.

PLANTING.—J. F. KÜMMEL.

FOREST INVESTIGATIONS.—T. T. MUNGER.

J. F. PERNOT, forest examiner, insect control.

GRAZING.—T. P. MACKENZIE, assistant district forester.

LANDS.—C. J. BUCK, assistant district forester; land classification, J. ROY HARVEY, forest examiner.

PRODUCTS.—H. B. OAKLEAF, in charge; C. W. DUNNING, Portland; O. P. M. GOSS, C. W. ZIMMERMAN, Cornelius Barry, Seattle, Wash.

### EXPERIMENT STATION.

Wind River, Columbia National Forest.—JULIUS V. HOFMANN, forest assistant, in charge, Carson, Wash.

### FOREST INSECT FIELD STATION.

(Bureau of Entomology, Branch of Forest Insect Investigations.)

Station 6, Ashland, Oreg.—W. D. EDMONSTON, entomological assistant, in charge.

### NATIONAL FORESTS.

#### ALASKA.

Chugach.—W. G. WEIGLE, forest supervisor, Ketchikan (SC, U. S. A., WU-AP, Am); Thos. M. Hunt, deputy forest supervisor; Bruce Hoffman, forest examiner.

Tongass.—W. G. WEIGLE, forest supervisor, Ketchikan (SC, U. S. A., WU-AP, Am); S. S. SWENNING and W. H. BABBITT, deputy forest supervisors.

## CALIFORNIA.

Crater.—See Oregon.

Siskiyou.—See Oregon.

## OREGON.

Cascade.—C. R. SEITZ, forest supervisor, Eugene (WU, P-WF).

Crater.—M. L. ERICKSON, forest supervisor, Medford (WU, P-WF) ;  
E. H. MacDaniels, deputy forest supervisor ; H. D. Foster, William  
E. White, forest examiners.

Deschutes.—MELVIN L. MERRITT, forest supervisor, Bend (WU, PT &  
T-GN).

Fremont.—GILBERT D. BROWN, forest supervisor, Lakeview (WU via  
Reno, Nev-P, WF).

Klamath.—See California.

Malheur.—CY. J. BINGHAM, forest supervisor, John Day (WU via  
Baker-Am, WF via Baker).

Minam.—EPHRAIM BARNES, acting forest supervisor, Baker (WU-Am).

Ochoco.—HOMER ROSS, forest supervisor, Prineville (WU, PT & T-Am) ;  
Allen Hodgson, deputy forest supervisor.

Oregon.—T. H. SHERRARD, forest supervisor, Portland (WU, P-Am,  
WF, N) ; Ralph S. Shelley, deputy forest supervisor ; W. B. Osborne,  
forest examiner.

Paulina.—W. W. CRYDER, forest supervisor, Crescent (WU, PT & T-Ad,  
GN).

Santiam.—F. H. BRUNDAGE, forest supervisor, Albany (WU, P-WF).

Siskiyou.—N. F. MACDUFF, forest supervisor, Grants Pass (WU, P-WF) ;  
D. B. Reynolds, deputy forest supervisor ; H. Haefner, forest ex  
aminer.

Siuslaw.—J. ROY HARVEY, forest supervisor, Eugene (WU, P-WF) ;  
David E. Fitton, deputy forest supervisor ; H. M. Johnson, forest  
examiner.

Umatilla.—HUGH B. RANKIN, forest supervisor, Heppner (WU, P-AM).

Umpqua.—S. C. BARTRUM, forest supervisor, Roseburg (WU, P-WF) ;  
George Bonebrake, deputy forest supervisor.

Wallowa.—H. W. HARRIS, forest supervisor, Wallowa (WU-Am) ; N. J.  
Billings, deputy forest supervisor.

Wenaha.—See Washington.

Whitman.—HENRY IRELAND, forest supervisor, Sumpter (WU via Baker-  
Am, WF via Baker) ; Lawrence Pagter, forest assistant.

## WASHINGTON.

Chelan.—G. W. MILHAM, forest supervisor, Chelan (PT & T-Am, GN  
via Wenatchee).

Columbia.—A. E. COHOON, forest supervisor, Portland, Oreg. (WU,  
P-Am, WF, N) ; W. W. G. Hastings, deputy forest supervisor.



- Colville.**—C. C. REID, forest supervisor, Republic (WU, P-Am, GN); F. W. Cleator, deputy forest supervisor.
- Okanogan.**—H. M. HALE, forest supervisor, Okanogan (PT & T-Am, GN via Wenatchee); V. V. Harpham, deputy forest supervisor.
- Olympic.**—R. L. FROMME, forest supervisor, Olympia (WU, P-Am, GN, N); A. A. Parker, deputy forest supervisor.
- Rainier.**—G. F. ALLEN, forest supervisor, Tacoma (WU, P-Am, N); P. T. Harris, deputy forest supervisor.
- Snoqualmie.**—STANTON G. SMITH, forest supervisor, Seattle (WU, P-N, GN, WF); Lewis A. Treen, jr., deputy forest supervisor; Walter H. Leve and Alexander G. Jackson, forest examiners.
- Washington.**—C. H. PARK, forest supervisor, Bellingham (WU, P-Am, GN, N).
- Wenaha.**—J. M. SCHMITZ, forest supervisor, Walla Walla (WU-Am, N).
- Wenatchee.**—A. H. SYLVESTER, forest supervisor, Leavenworth (WU-Am, GN).

## SERVICE CHANGES.

### APPOINTED.

GRAZING.—William R. Chapline, jr., grazing assistant.

PRODUCTS.—Laboratory: Clinton K. Textor, Harry N. Knowlton, and Robert E. Prince, assistant engineers in forest products; Lester E. Cover, assistant chemist in forest products; James E. Imrie, assistant physicist.

DISTRICT 1.—Operation: Forest assistants assigned to reconnaissance—Edwin Howard Hall, Samuel V. Fullaway, jr., Clarence R. Anderson, Joseph Kittredge, Wiley E. Escher, Charles K. McHarg, jr.; assistant forest rangers—Ray M. Kingsley, Madison; William M. Rush, Absaroka; James R. Mahoney, Clearwater; forest assistants—Ralph E. Bodley, Madison; Charles B. Baker, Blackfeet; clerks (stenographers and typewriters)—Mabel E. Crenshaw, Coeur d'Alene; Aloysius F. Beck, Pend Oreille; Hugh F. Ellard, logging engineer, district office.

DISTRICT 2.—Operation: Forest clerks—David B. Thompson, Arapaho; Alexander M. Bittner, Routt; clerks (stenographers and typewriters)—Eva J. Crossman, Gunnison; Agnes E. Johnson, Medicine Bow; John T. Morgan, Pike; forest assistants—Howard R. Flint, Michigan; Theodore Krueger, Nebraska; Richard T. Guthrie, Pike.

DISTRICT 3.—Operation: Forest assistants—William L. Scofield, Apache; Murrell W. Talbot, Coconino; Marinus Westveld, Crook; George W. Kimball, Tusayan; Thomas P. Reid, Pecos; Reginald D. Forbes, Tonto; assistant forest rangers—Robert Stephenson, Carson; Harry R. Koen, Ozark; Stella R. Schreiber, clerk (typewriter), Crook. Silviculture: Forest assistants—Philip A. Guibord, Arkansas; Victor C. Follenius, Arkansas; Ward Shepard, Jemez; Ernest T. F. Wohlenberg, Jemez. Lands: Helen M. Anderson, clerk (stenographer and typewriter), district office.

DISTRICT 4.—Operation: Forest assistants—Charles D. Simpson, Minidoka; William A. Smith, Payette; Lyle F. Watts, Wyoming; assistant forest rangers—Alfred C. Toland, Caribou; Joseph A. Willey, Manti; Edson J. Adair, Uinta; forest clerks—Earl G. Fogelgren, Ashley; John N. Kinney, Santa Rosa; Dorothy Nebergall, clerk (stenographer and typewriter), Santa Rosa; Lulu L. Cloudman, clerk (typewriter), Manti.

DISTRICT 5.—Operation: Clerks (stenographers and typewriters)—Alma M. Flood, Edward Vill, William Schauer, district office; Horace

V. Beeks, California; Wilfred Arthur Robison, Klamath; Archer E. Roberts, assistant forest ranger, Klamath; Jos. C. Quast, clerk (forest), Trinity; Dwight C. Birch, forest assistant, Sierra.

DISTRICT 6.—Operation: H. E. C. Chervin, clerk (by transfer from Interior Department), district office; forest assistants—Carl B. Neal, Cascade; Oliver T. Ericson, Chelan; Geo. W. Hutton, Olympic; Chas. J. Conover, Siskiyou; Rudolph L. Hensel and Edwin H. Steffin, Wallowa; Chas. A. Ross, assistant forest ranger, Oregon; Carry H. Casey, clerk, Siuslaw.

#### RESTORED TO THE ROLLS.

DISTRICT 1.—Operation: Forest assistants—David G. White, reconnaissance; Frank J. Mosher, reconnaissance; assistant forest rangers—Nathan J. Hayes, Deerlodge; Ray I. Trueman, Flathead; Thomas S. Rackliff, Selway; Armon E. Havens, Flathead; Ralph J. Eveleth, Jefferson; Ellis B. Hoke, Flathead; Sidney C. Armitage, Beartooth; clerk (stenographer and typewriter), Nina M. Schanck, Kootenai.

DISTRICT 2.—Operation: May Wise, clerk, district office; Walter F. Gilliam, assistant forest ranger, Battlement.

DISTRICT 3.—Operation: John R. Coleman, assistant forest ranger, Lincoln.

DISTRICT 5.—Operation: David G. Kinney, supervisor, Cleveland; Alice M. Tooley, clerk (stenographer and typewriter), district office; assistant forest rangers—John Nelson Lindsey and John W. Wear, Stanislaus; Charles William Sutcliffe, Tahoe; William R. Darling and Matthew J. Keegan, Cleveland; William J. Hoskins, Inyo; Joseph J. Libeu, Santa Barbara.

DISTRICT 6.—Operation: A. K. Wiesendanger, clerk (minor), district office; assistant forest rangers—Clinton W. Combs, Fremont; Frank B. Rogers, Oregon.

#### REINSTATED.

DISTRICT 1.—Operation: Assistant forest rangers—Claud O. Houghton, Kootenai; Wayne F. Alexander, Kootenai; August A. Schroeder, Beaverhead; clerk (stenographer and typewriter), Evalyn Eddy, Kanimksu.

DISTRICT 3.—Operation: Marshall D. Loveless, assistant forest ranger, Prescott; Merle J. Pettis, forest clerk, district office.

DISTRICT 4.—Operation: Irwin W. Cook, forest assistant, Weiser; assistant forest rangers—Ulrich C. Pogge and Lemuel Steele, jr., Targhee.

DISTRICT 6.—Operation: Elmer G. Thomas, assistant forest ranger, Deschutes; Hans T. Hansen, assistant forest ranger, Wenatchee; Harry C. Blankenship, forest ranger, Wenatchee.

## CHANGE IN DESIGNATION.

FORESTER.—Publication: Findley Burns, from forest assistant and chief of publication to forest examiner and chief of publication.

SILVICULTURE.—Clayton D. Mell, forest assistant to forest examiner.

LANDS.—Frederick L. Harvey, from clerk (law examiner) to chief of claims.

ACQUISITION.—Karl W. Woodward and Wm. W. Ashe, from forest examiners to forest inspectors.

DISTRICT 1.—Operation: J. F. Forsythe, forest examiner, Deerlodge, to deputy forest supervisor, Kaniksu.

DISTRICT 2.—Operation: Earl S. Pierce, deputy forest supervisor to forest examiner, Bighorn.

DISTRICT 3.—Operation: Charles J. Heller, forest assistant to forest examiner, Arkansas.

DISTRICT 4.—Operation: Lester E. Hitchcock, deputy forest supervisor to forest examiner, Ashley.

DISTRICT 5.—Operation: Frederick H. Hafley, from deputy forest supervisor to forest examiner, district office.

## TRANSFERRED.

GRAZING.—Arthur W. Sampson, plant ecologist to District 4; Charles E. Fleming, grazing examiner to District 1; Lynn H. Douglas, grazing examiner to District 2; Robert R. Hill, grazing examiner to District 3; Alfred E. Aldous, grazing examiner to District 4.

LANDS.—Robt. V. R. Reynolds, forest examiner from District 4 to District 7.

DISTRICT 1.—Operation: Andrew J. Devan, assistant forest ranger, from District 6 to Clearwater; R. Trevor Ferguson, deputy forest supervisor, from Deerlodge to Pend Oreille; Waldo D. Barlow, forest assistant, from reconnaissance to Helena; Alfred B. Hastings, deputy forest supervisor, from Clearwater to Flathead; Adrian C. Adams, forest assistant, from reconnaissance to Jefferson; Eugene J. Jacroux, forest ranger, Coeur d'Alene to Flathead.

DISTRICT 2.—Operation: Archibald E. Palen, civil engineer, Philippine service to district office (roads); forest assistants—Michael J. Sweeney, Durango to Black Hills; Howard R. Flint, Michigan to Hayden; Charles W. Kiel, assistant forest ranger, Durango to Montezuma, Montezuma to Durango; Norman S. Ashlock, forest ranger, San Juan to Sopris; clerks (stenographers and typewriters)—Theresa A. Brady, Office of Experiment Stations to Kansas; Nellie S. Serier, Medicine Bow to Harney; Edward J. Dickson, Pike to Bureau of Soils; forest clerks—Ralph B. Grabill, District 5 to Pike; Joel I. Buckner, Pike to District Office. Grazing: Lynn H. Douglas, grazing examiner, Wash-



ington to district office. Lands: Roy S. Wheeler, forest examiner, land classification to Durango.

DISTRICT 3.—Operation: Forest assistant—George W. Kimball, Tusayan to Pecos; forest ranger—Thomas B. Longwell, Arkansas to Pecos; assistant forest rangers—Lewis C. Way, Coronado to Tusayan; John R. Coleman, Lincoln to Tonto; Richard H. Kennerdell, Jemez to Tusayan; Charles C. Carr, clerk, district office to Carson. Grazing: Robert R. Hill, grazing examiner, District 7 to district office. Lands: Gerald Griffin, clerk, district office to District 7. Products: John T. Harris, statistician in forest products, District 7 to district office.

DISTRICT 4.—Operation: Forest rangers—Bert L. Robins, Nebo to Fillmore; Angus M. Woodbury, Dixie to office of lands; assistant forest rangers—Archer Huff, Kaibab to Santa Rosa; Carl Stockbridge, Ruby to La Sal; forest clerks—Clarence B. Johnson, district office to Salmon; John N. Kinney, Santa Rosa to Palisade; Clyde M. Gwin, clerk, district office (property audit) to Idaho. Grazing: Arthur W. Sampson, plant ecologist, District 7 to District 4; Alfred E. Aldous, grazing examiner, District 7 to District 4.

DISTRICT 5.—Operation: Robert J. Settles, clerk (stenographer and typewriter), district office to California; William T. Rutherford, assistant forest ranger, Lassen to Eldorado; R. H. Boerker, forest examiner, Klamath to Lassen.

DISTRICT 6.—Operation: Clerks—Frank Johnson, Chugach to Tongass; George W. Jackson, Snoqualmie to Whitman; W. H. Babbitt, deputy forest supervisor, District 5 to District 6, Tongass; Wiley E. Escher, forest assistant, District 6 to District 1; assistant forest rangers—Robert Craig, jr., Siuslaw to Cascade; Otto Weaver, Umpqua to Siuslaw; Claude W. Waterbury, Malheur to Whitman. Lands: John E. Gribble, forest ranger, Crater to district office; H. E. Smith, assistant forest ranger, Deschutes to district office.

#### PROMOTED IN RANK.

DISTRICT 1.—Operation: Forest assistants to forest examiners—Henry W. de Nancrede, reconnaissance; Charles R. Clark, reconnaissance; Henry H. Farquhar, district office; Donald R. Brewster, Priest River Experiment Station; Donald Bruce, district office; Arnold O. Benson, reconnaissance; John C. Kettridge, Kootenai; Webster H. Ransom, Kootenai; Abbott B. Silva, reconnaissance; Wilford B. Willey, St. Joe; John F. Forsythe, Deerlodge; William W. Morris, Coeur d'Alene; Chester N. Whitney, Deerlodge; Frank I. Rockwell, Coeur d'Alene; Edgar F. White, district office; Justin K. Dwinelle, Cabinet; James C. Whitham, reconnaissance; John E. Keach, Lolo; Julius A. Larsen, Priest River Experiment Station; assistant forest rangers to forest rangers—Eugene J. Jacroux, Coeur d'Alene; David H. Lewis, Blackfeet; forest assistants, reconnaissance, to deputy forest supervisors—

Alfred B. Hastings, Clearwater; Frederick R. Mason, Coeur d'Alene; Ernest C. Rogers, field assistant to forest assistant; Priest River Experiment Station; S. S. J. Malvin, assistant forest ranger to deputy forest supervisor, Deerlodge.

DISTRICT 2.—Operation: Lee E. Cooper, deputy forest supervisor to forest supervisor, Bonneville; Dwight S. Jeffers, forest examiner to deputy forest supervisor, Medicine Bow; assistant forest rangers to forest rangers—John I. Hough, Bonneville; Ernest E. McKee, Bridger; Edward F. Clark, Cochetopa; Clarence H. Bowen, Montezuma; George Fleischman, Rio Grande; Charles O. Griffin, jr., Sundance; forest guards to assistant forest rangers—Neil Campbell, Durango; Walter W. Smith, Michigan.

DISTRICT 3.—Accounts: Albert Morris, clerk to district fiscal agent, district office. Operation: Charles H. Jennings, deputy forest supervisor to forest supervisor, Sitgreaves; assistant forest rangers to forest rangers—Jesse A. Brubaker, Alamo; Joseph A. Bateman, Arkansas; Walter J. Perry, Carson; Lorenzo B. Maxwell, Coconino; Lawrence G. Haynes, Datil; Charlie H. Rogers, Florida; Benjamin F. Nabours, Lincoln; Claude B. Delbridge, Tonto; Charley C. Hill, Tusayan; Lewis Claude Way, Tusayan; forest assistants to forest examiners—Clifford W. McKibbin, Apache; Herman Krauch, Gila; Thomas E. McCullough, Gila; H. Basil Wales, Datil; John W. Spencer, Florida; Lionel L. Janes, Ozark; Robert S. Wallace, Ozark. Silviculture: Forest assistants to forest examiners—Otto F. Swenson, Arkansas; Quincy Randles, district office. Lands: Morton M. Cheney, clerk to forest examiner, district office.

DISTRICT 4.—Operation: Scipha B. Arthur, deputy forest supervisor to forest supervisor, Humboldt; William F. Thorne, forest ranger to deputy forest supervisor, Nevada; forest assistants to forest examiners—Dana Parkinson, Boise; Edwin C. Shepard, Cache; William N. Sparhawk, Payette; J. Warrington Stokes, Targhee; Harry B. Maris, Teton; Nils B. Eckbo, Uinta; Forman T. McLean, Utah Experiment Station; Andrew E. Oman, Weiser; Rolland A. Stretch, Wyoming; assistant forest rangers to forest rangers—Edward C. Bagley, Fishlake; Charles E. Butler and Wallwin T. Job, Humboldt; Warren E. Cook, Idaho; John H. Kroencke, Minidoka; Joseph Barnett, Nebo; Robert A. Tempest, Palisade; Earl R. Gilbreath and Camas Nelson, Salmon; Frank A. Herrell and Paul L. Travis, Santa Rosa; James G. Houston, Sevier; Ernest A. Renner, Targhee; Robert E. Clabby, Weiser; Frank A. Travis and George W. Yeaman, Wyoming. Silviculture: Sidney C. Scribner, clerk to scaler.

DISTRICT 5.—Operation: Forest assistants to forest examiners—Harry J. Tompkins, district office; Oscar M. Evans, California; Sylvester W. Strothman, California; George W. Lyons, Eldorado; William H. Gallaher, Klamath; R. H. Boerker, Lassen; George R. Orr,

Plumas; Belknap C. Goldsmith, Modoc; Walter M. Moore, Santa Barbara; Edward I. Kotok, Shasta; J. V. Wulff, Stanislaus; Reese W. Taylor, Tahoe; Stewart B. Show, Shasta; Ernest G. Dudley and Cary L. Hill, Sierra; Ernest V. Jotter, Trinity; Shirley W. Allen, Lassen; Knowler Mills, Tahoe; assistant forest rangers to forest rangers—Irven L. Woffard, Kern; Lawrence L. Smith, Modoc; Fred W. Graham, Shasta; William F. Derby, Sequoia; Frank A. Robison, Stanislaus. Silviculture: Forest assistants to forest examiners—Harold H. Greenamyre, Feather River Experiment Station; Louis T. Larsen and J. A. Mitchell, district office. Lands: James O. Morrow, forest examiner to deputy forest supervisor, district office. Products: Carl A. Kupfer, forest assistant to forest examiner, district office.

DISTRICT 6.—Operation: Wm. H. Gibbons, deputy forest supervisor to forest examiner, Chelan; forest assistants to forest examiners—E. J. Hanslik, B. F. Heintzleman, and A. F. Kerr, Cascade; C. P. Willis, Columbia; William E. White, Crater; Norman G. Jacobson, Fremont; William B. Osborne, jr., Oregon; E. J. Fenby, Rainier; Herman M. Johnson, Siuslaw; Walter H. Leve, Snoqualmie; Bruce E. Hoffman, Tongass; Robie M. Evans, Whitman; Lage Wernstedt, A. R. Wilcox, H. D. Foster, Henry E. Haefner, and A. G. Jackson; assistant forest rangers to forest rangers—Harry N. Colter, Chelan; John D. Holst, Crater; William A. Donnelly, Ochoco; Clarence W. Jackson, Umpqua; George Donaldson, Whitman; John R. Bruckhart, Snoqualmie. Silviculture: Forest assistants to forest examiners—J. F. Pernot, T. T. Munger, and J. F. Kummel, district office. Products: H. B. Oakleaf, forest assistant to forest examiner, district office.

#### LEAVE WITHOUT PAY.

DISTRICT 1.—Operation: Assistant forest rangers—James L. Adams, Cabinet; Frederick W. Schumacher, Beaverhead; Ervin H. Whitehead, clerk (stenographer and typewriter), Jefferson.

DISTRICT 2.—Operation: James L. Warner, assistant forest ranger, Bighorn; May Wise, clerk (stenographer and typewriter), district office.

DISTRICT 3.—Operation: John C. Vandevier, assistant forest ranger, Coconino.

DISTRICT 4.—Operation: Clinton M. Mangun, assistant forest ranger, Weiser.

DISTRICT 5.—Operation: David G. Kinney, forest supervisor, Cleveland; assistant forest rangers—John P. McMillan, Eldorado; Joseph E. Jensen, Klamath; Irving E. Bitner, clerk (stenographer and typewriter), Klamath. Silviculture: Horatio N. Ormsbee, logging engineer, district office.

DISTRICT 6.—Operation: A. K. Wiesendanger, clerk (minor), district office; George W. Hutton, forest assistant, Olympic; Charles T. Gardner, clerk, Tongass.



## FURLOUGHED.

DISTRICT 2.—Operation: Neil Campbell, assistant forest ranger, Durango.

DISTRICT 5.—Operation: Assistant forest rangers—Grover C. Bruce, Eldorado; Leroy A. LaPoint, Klamath; Howard A. Browning and Leonard P. Wygle, Plumas.

DISTRICT 6.—Operation: Charles W. Long, forest clerk, Paulina.

## RESIGNED.

PRODUCTS.—Laboratory: Charles T. Barnum, engineer in wood preservation; Joseph P. Mehlig and J. M. Johlin, jr., assistant chemist in forest products; Frederick Dunlap, forest examiner.

ACQUISITION.—Robert C. Staebner, forest assistant; Percy S. Norris, examiner of surveys.

DISTRICT 1.—Operation: Assistant forest rangers—Joe D. Morgan, Gallatin; Percy B. Evans, Helena; Frank O. Ayers, Madison; Harold W. Horton, Kaniksu; Henry W. Sutton, Jefferson; Roy P. Monroe, Clearwater; Herbert H. Bissell, Blackfeet; John A. Kierstead, Jefferson; Henry C. Weidner, Kootenai; Milo M. Hoyt, Missoula; clerks (stenographers and typewriters), Shelley E. Schoonover, Pend Oreille; Eva E. Blyberg, district office; Stella G. Baird, Kaniksu; Lura F. Babbitt, Absaroka; Sadie M. Plough, Coeur d'Alene; Dorothea C. Davis, district office; John C. DeCamp, forest assistant, Kaniksu; Dwight L. Beatty, deputy forest supervisor, Absaroka; John C. Beebe, junior engineer, District 1; E. C. Clifford, forest examiner, Madison.

DISTRICT 2.—Operation: Philip T. Coolidge, forest assistant, district office; Frank L. Brock, forest clerk, Arapaho; Edith E. Wilson, clerk (stenographer and typewriter), Harney; Albert Suter, forest ranger, White River; assistant forest rangers—John R. George, Battlement; Omer Mills, Black Hills; Ford J. DeHaven, Leadville; Charles H. Anderson, Shoshone; Frank D. Dunn, Superior. Silviculture: William D. Hayes, Fremont Experiment Station.

DISTRICT 3.—Accounts: John J. Duffy, district fiscal agent, district office. Operation: Forest ranger—Shepard Hiscox, Tusayan; assistant forest rangers—Harry R. Batterton, Apache; Alfred W. Mullan, Lincoln; Edwin C. Hamilton, draftsman, district office. Silviculture: Carleton Whidden Eaton, forest assistant, Jemez; John H. Allison, forest examiner, district office; Arthur B. Recknagel, assistant district forester, district office.

DISTRICT 4.—Operation: William F. Thorne, deputy forest supervisor, Nevada; Irwin W. Cook, forest assistant, Weiser; forest rangers—Harry H. Long, Lemhi; Alvan L. Rawson, Weiser; assistant forest rangers—Heber C. Hancock and Ernest P. Joice, Caribou; Archer Huff, Santa Rosa; Edgar L. Fender, Sawtooth; William A. Halsey and John



F. Woodman, Targhee; forest clerks—Earl G. Fogelgren, Ashley; Harry H. Power, Salmon; Inez M. Soule, clerk (stenographer and typewriter), Palisade.

DISTRICT 5.—Operation: George E. Luttrell, clerk (bookkeeper), district office; Rufus S. Maddox, forest examiner, Plumas; Louis A. H. Kling, forest supervisor, Lassen; Charles H. Edwards, forest assistant, Inyo; clerks (stenographers and typewriters)—Ruth Kalar, district office; Emma C. Manwaring, California; Laura E. Williamson, Trinity; Elmer F. Montgomery, clerk, California; Edward L. Varney, forest ranger, Plumas; Elmer H. McClure, assistant forest ranger, California. Silviculture: Harold H. Greenamyre, forest examiner, Feather River Experiment Station.

DISTRICT 6.—Operation: Charles C. Everett, forest clerk, Deschutes; Earl G. Forbes, assistant forest ranger, Snoqualmie.

#### APPOINTMENT TERMINATED.

DISTRICT 1.—Operation: Assistant forest rangers: Fritjhof J. Lundstrom, Mark F. Kelley, Harvey W. Phillips, Claude C. Parker, and James Campbell, Pend Oreille; Elmer A. O'Callaghan, St. Joe; Joe M. Taylor, Missoula; Thomas E. Herrington, Kootenai; Emerson L. Yeager, Bitterroot; Lula Theo Wools, clerk (stenographer and typewriter), Deerlodge.

DISTRICT 2.—Operation: Seth E. Hopewell, forest clerk, Black Hills; assistant forest rangers—Henry C. Langston, land classification; Ira L. Hazleton, Black Hills; Daniel O. Eckis, Leadville.

DISTRICT 5.—Operation: Robert Francis Duryea, topographic draftsman, district office.

#### DISMISSED.

DISTRICT 3.—Operation: Thomas L. Mercer, forest ranger, Prescott.

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Fred Gordon Plummer, geographer of the Forest Service, died suddenly on August 15 at Washington, at the age of forty-nine. In July, 1905, he was transferred from the Geological Survey to the Forest Service as civil engineer. His chief work for the Service was done as its geographer, and his compilation of statistical and map data is one of the most notable in the country. Mr. Plummer was a voluminous writer on subjects connected with geology, geography, and forestry, and wrote the first descriptions of forest conditions in many of the National Forests of Washington, Oregon, Arizona, New Mexico, and California. Besides these descriptions, which were issued by the Geological Survey, he wrote monographs on "Chaparral," "Lightning in Relation to Forest Fires," and "Forest Fires: Their Causes, Extent, and Effects." At the

time of his death he was cooperating with Mr. Graves in the preparation of a publication of forest statistics.

Memorial exercises in Mr. Plummer's honor were held in Washington, at which the Forester, the Associate Forester, and other members of the Service spoke of his life and work.

The Forest Service suffered another loss in the death, on July 29, of Forest Examiner Addison W. Williamson. Mr. Williamson entered the Service July 1, 1909. For a greater part of the time from September, 1911, until the spring of 1913 he was in charge of the office of forest management in the East. A thorough student and an effective worker, Mr. Williamson showed marked ability both as an executive and as an administrator. His various assignments included studies of forest conditions in North Carolina, of the forest taxation problem in Wisconsin, of the results of sowing and planting in the east, of cottonwood in the Mississippi Valley, and many cooperative examinations of private timberlands and Federal military and naval reservations. The report on his study of cottonwood, completed shortly before his death, will be published as Bulletin 24 of the Department of Agriculture.

With deep regret announcement is made of the death, on September 25, of Supervisor C. W. Fitzgerald of the Pike National Forest. Mr. Fitzgerald entered the Service as a surveyor in January, 1907, was promoted to deputy supervisor in December of the same year, and to forest supervisor in October, 1908. His loss to the Service will be keenly felt.

With deep regret announcement is made of the death of Daniel S. Marshall, forest ranger, Uinta National Forest, July 4, 1913.

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## SERVICE NOTES FOR OCTOBER.

These notes contain instructions and necessary information to forest officers, and will therefore be carefully read and kept on file for reference.

### LAW.

#### OFFICE OF THE SOLICITOR.

##### Conference at Salt Lake City—

The Solicitor of the Department has arranged for a conference at Salt Lake City on November 10th next with his assistants in charge of each of the six districts of the Forest Service. The chief purpose of the conference is to consider methods of handling the legal work of the Forest Service in the field so as to secure economical and efficient results.

##### Law Cases in District 2—

The case of the United States *v.* L. N. Kelly et al. was tried in the United States District Court at Deadwood, S. Dak., on August 30, 1913, and resulted in favor of the Government. This was a suit in equity brought by the United States to cancel the patent and quiet the title to 160 acres of land which had been reconveyed by one J. C. Carter to the United States under the act of June 4, 1897, and other lands selected in lieu thereof. A patent had issued to Carter for the base land after the reconveyance to the United States and prior to the approval by the Commissioner of the General Land Office of his lieu selection. After the issuance of the patent, and after the lands selected in lieu thereof had been patented, Carter gave a quit-claim deed to L. N. Kelly for the base land. Kelly secured patent to this land from the Land Office where it had lain since the date of its issuance undelivered, and filed it, together with the quit-claim deed from Carter, in the county records. The consideration for the quit-claim deed from Carter to Kelly was \$20. The land was worth \$1,000 to \$1,200. The court held that the patent which had issued to Carter conveyed no title to him whatever and that Kelly was not an innocent purchaser, and ordered the patent delivered up for cancellation, as well as the quit-claim deed from Carter to Kelly, and that the title be quieted absolutely in the Government.

In the case of the *United States v. Charles Ennis*, which is pending in the United States District Court for the District of South Dakota, and which is similar to the case of the *United States v. L. N. Kelly* which was decided in favor of the Government on August 30, a stipulation was filed agreeing to consent judgment in favor of the United States, immediately after the decision in the Kelly case.

On September 14, 1913, C. J. Patton was convicted in the United States District Court at Deadwood, S. Dak., for using the mails in furtherance of a scheme to defraud, and was fined \$100. Patton was convicted of devising a scheme to defraud by securing a quit-claim deed from one Kenoyer for a certain piece of land which Kenoyer had reconveyed to the United States under the act of June 4, 1897, and received patent to other lands in lieu thereof. The patent was issued to Kenoyer for the base land in the same manner as described in the case of the *United States v. L. N. Kelly et al.*, Patton having secured a quit-claim deed from Kenoyer for the land which he had formerly reconveyed to the United States, secured the patent from the Land Office, and placed it and the deed of record, and then sent a letter through the United States mails to Joe Korthouse endeavoring to sell him this land.

On September 15, 1913, Thomas and Amos Smith were found guilty by a jury in the United States District Court at Deadwood, S. Dak., on an indictment containing three counts, under sections 52 and 53 of the Federal Penal Code of 1910. After the conviction a motion for a new trial was overruled and the defendants were sentenced each to 90 days in jail and to pay a fine of \$100 and costs.

On September 4, 1913, at Deadwood, S. Dak., Frank Corns withdrew his former plea of not guilty and pleaded guilty to an indictment charging him with building a fire near timber on the Harney National Forest, and going away and leaving it without first totally extinguishing it. He was sentenced to pay a fine of \$10 and costs.

On September 4, 1913, at Deadwood, S. Dak., John H. Woodford withdrew his former plea of not guilty and pleaded guilty to an indictment charging him with building a fire near timber on the Harney National Forest and going away and leaving it without first totally extinguishing it. He was sentenced to pay a fine of \$10 and costs.

On September 8, 1913, at Deadwood, S. Dak., Nelse Pearson pleaded guilty to an indictment under section 52 of the Penal Code charging him with willfully setting on fire certain timber on the Black Hills National Forest, and was sentenced to 90 days in jail.

On September 2, 1913, at Deadwood, S. Dak., James Riley pleaded guilty to an indictment charging him with leaving unattended a fire near certain timber on the Black Hills National Forest under section 52 of the Penal Code, and to building a fire near timber on the Black Hills National Forest and going away and leaving it without first totally extinguishing the same. He was fined \$10 and costs.



The grazing trespass case, against Wirt, Gomez & Co., involving a trespass upon the San Juan National Forest in 1910, was settled by the payment of \$50.

The grazing trespass case against Joseph B. Crosby, involving a trespass upon the Bighorn National Forest committed in 1910, was closed by the payment of \$50, covering the actual damage done to the Forest.

The timber trespass case against W. H. Wood, which involved the unlawful cutting of timber on the Arapaho National Forest, of an estimated value of \$248.34, was settled by the payment by Mr. Wood of the sum of \$200.

On September 4, 1913, the Secretary of the Treasury accepted the sum of \$3,500 submitted by the Chicago, Burlington & Quincy Railroad Co., in payment for damage occasioned by forest fires upon the Black Hills and Harney National Forests occurring during the year 1911 from sparks emitted by the company's locomotive engines.

The case of the United States *v.* Wagon Wheel Gap Improvement Co. was a case in equity in which the United States sought to restrain the defendant company from closing a road which crossed its property and refusing to allow persons purchasing timber from the Government free passage over the road. The case was tried before Judge Lewis in the United States District Court at Denver on August 8 and 9, and resulted in a verdict in favor of the defendant.

In the case of United States *v.* Joseph O. Major in the United States District Court for the District of Colorado, a permanent injunction was secured on April 4, 1913, restraining defendant from cutting timber or committing any other kind of trespass upon certain lands within the Pike National Forest. The land in question had been entered under the preemption act and canceled by the Commissioner for failure to make proof within the statutory period. The county, subsequent to the cancellation of the entry, had sold the land for unpaid taxes and the defendant claimed title through subsequent conveyance based upon such tax certificate.

#### Law Cases in District 5—

A jury in the Federal Court, Southern District of California, found Ignacio Salazar guilty of willfully setting a fire on the Cleveland National Forest. The defendant was sentenced to four months' imprisonment.

The United States Commissioner at Red Bluff, Cal., committed Christy Lawson to jail for willfully setting a fire on the Klamath National Forest. The hearing was set for October 3, 1913.

Two claims were filed before the referee in bankruptcy, Northern District of California, in two timber trespass cases on the Eldorado National Forest, against the Eldorado Lumber Co.

The Yosemite Valley Railroad Co. settled two fire-trespass cases, resulting from sparks from a locomotive, by the payment of a total sum of \$149.95.

A decree for cancellation of homestead patent, on the Monterey National Forest, was entered in the Northern District of California against Agapitto Martinez.

#### LANDS.

##### **Right of Way—Reservation in Patent—Former Procedure Restored—**

Under date of September 11, 1913, the First Assistant Secretary of the Interior held that the Interior Department has no authority to insert in patents restrictions, limitations, or reservations other than those authorized by existing law. This reverses the ruling of the same Department of June 3, 1913, and where now it is desired to reserve a right of way across a June 11 listing, the desired area must be excepted or excluded under the former procedure which is restored. (See Field Program, April, 1911, pp. 133-4.)

## SERVICE PUBLICATIONS ISSUED.

*Departmental Bulletin 12.*—Uses of commercial woods of the United States—beech, birches, and maples.

Folder for Crater National Forest (Revised).

Folder for Oregon National Forest.

Folder for Santiam National Forest.

Folder for Wallowa National Forest.

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## CUMULATIVE INDEX TO SERVICE NOTES AND ORDERS.

(JULY–OCTOBER, 1913.)

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Color tints and crayons; July (27).

Conference at Salt Lake City; October (59).

Cooperation in securing commercial and botanical range data; July (28).

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Fire trespass. (*See* Trespass, fire.)

Grazing trespass. (*See* Trespass, grazing.)

Law cases in district 1; July (24).

2; July (25); October (59).

3; July (26).

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Occupancy trespass. (*See* Trespass, occupancy.)

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grazing, district 1; July (25).

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Trespass cases, occupancy, district 3 ; July (26).  
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timber, district 1 ; July (24).  
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3 ; July (26).  
5 ; October (61).







